

Six-month index

Vol. 9 No. 1 (January 1973)
through No. 6 (June 1973)

Feature articles and major news reports are arranged by subject and author. Categories are 1 Lasers (gas, solid-state, other); 2 Applications (biology and medicine, communications and information processing, holography, materials working and measurement, military, other); 3 Associated equipment; 4 Business news; 5 Materials; 6 Meetings; 7 Safety and standards; 8 Techniques; 9 Miscellaneous; 10 Authors.

1 Lasers

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He-ne frequency's pressure-dependence found to diminish at a few millitorr *Jan p28*

For heat treating and surface-hardening, Avco develops a 10-kw CO₂ system *Jan p65*

Graphite replaces BeO in some tubes *Feb p4*

In memoriam: the 1-inch he-ne *Feb p29*

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'X-ray laser' is now deemed neither x ray nor a laser *Feb p10*

More dyes cast, both c-w and pulsed *Mar p4*

What's ahead in laser dyes, K. H. Drexhage *Mar p35*

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Communications and information handling

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LEDs for communications, Ransom D. Reynolds *Jan p40*

Microfilm applications demand match of laser output to film sensitivity *Apr p16*

Fullcycle holographic memory to have competitive speed, capacity and cost *Apr p18*

Holographic system to record digital data at a gigabit per second *Apr p22*

Recorders: flat vs cylindrical, Edward Hartfield *Apr p47*

French see superimposed holograms best for memory *Mar p12*

Zenith may join videodisk race *May p4*

Holograms on color film are developed as snapshots *Jun p14*

Experimenters describe hardware for storing digital data optically *Jun p24*

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Problems on the road to fusion: first is proof it can work *Mar p24*

Hybrid fusion-fission reactor suggested as stopgap until better lasers arrive *Apr p10*

AEC plans \$32-million laser-fusion effort in 1974 *Apr p12*

Holography

Applications reviewed at international space-optics congress *Jan p26*

Holograms generated on color-photo film *Apr p4*

Fullcycle holographic memory to have competitive speed, capacity and cost *Apr p18*

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High-resolution spectroscopy with CO₂ lasers *Jan p18*

Light elements in glass detected with laser-excited mass spectrometry *Feb p10*

Laser's value for online pyrolysis extolled before analytical chemists *Feb p14*

From Siberia: superstable he-ne and a laser-based gravimeter *Feb p18*

Laser anemometry and a holographic study of thermal gradients *Feb p24*

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Agency evaluating a laser guide for coalmining *Mar p20*

GE group finds 'promise' in laser-doppler velocimeter *Mar p22*

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U.S. laser 'finds' French reflector left on moon on Soviet vehicle *Apr p32*

Winners of spectroscopy awards see widening roles for lasers *Jun p20*

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Orders turning upward; chemical lasers win strong support *May p4*

Military seeks \$11-million gain in '73 authorizations *Jun p4*

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Agency evaluating a laser guide for coalmining *Mar p20*

Lasers in the news: they'll speed words and pictures across U.S. *Jun p10*

Soviet spectroscopists enrich nitrogen with lasers *Jun p22*

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Optics as 'electron devices', report on IEEE's International Electron Devices Meeting *Feb p36*

The art of buying optics, William W. Atwood *Mar p39*

Beam controls crystal's growth in a German laboratory *Apr p15*

Power-charging modules for Livermore load capacitor banks to 2,000 μ farads *Apr p30*

Beam deflectors compared at optical-storage meeting *Jun p26*

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Laser Associates, in receivership, dismisses half its staff *Jan p16*

Two thousand at exhibition at U.S. Trade Center in London *Jan p22*

Economic outlook for 1973: sales will climb more slowly but profits and jobs will rise sharply *Jan p30*

Mark Dowley leaves Coherent Radiation to become president of Liconix, a new laser manufacturer *Jan p55*

Fred Schmid forms Crystal Systems in Salem, Mass. *Jan p55*

New British firm begins production *Feb p4*

Optika 72 attracts 5,000 Russians to exhibition of U.S.-made lasers *Feb p18*

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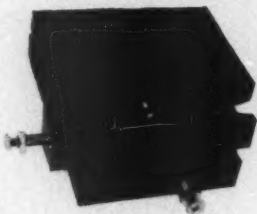
One American-run concern closes, another continues in Switzerland *Feb p29*

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More dyes cast as 9 firms compete *Mar p4*

Storm warnings, editorial *Mar p6*

Diix to build automatic 2-laser detector of pollutants developed at Bell *Mar p10*



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Kayser-Roth unit follows Genesco into laser cutting of suit fabric *Mar p10*

RAF buys Europe's first airborne ranger *Mar p10*

Holobeam reports first profit; Ferranti acquiring Laser Associates *Mar p14*

OTI and Resalab, 2 ex-giants, stop making lasers *Mar p30*

UDT names Stevenson to succeed the late Philip Davis in marketing post *Mar p66*

Philip S. Lape forms PBL International *Mar p66*

Richard D. Schacter forms Centurion Corp. *Mar p66*

Hadron expanding 'family' further with acquisition of Korad *Apr p4*

AEC plans \$32-million laser-fusion effort in 1974 *Apr p12*

100-Gw system for fusion research at KMS *Apr p32*

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Military orders up 10% in first quarter of 1973 *May p4*

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TRW to sell instrument unit to Solid State Radiations *May p4*

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A.D. Little puts '74 electro-optics market at \$12 billion *Jun p4*

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